

CLAIMS

- 5 1. An information entry apparatus comprising:
an alphanumeric entry unit for entering
alphanumeric string information,
a display unit for displaying keywords
comprised of predetermined alphanumeric strings in a
plurality of corresponding fields on a display screen,
a word dictionary for storing a plurality
of keywords corresponding to the plurality of fields and
a plurality of similar words for deducing those keywords
linked with each of those keywords, and
an alphanumeric information processing
unit for cutting out predetermined word strings from the
entered alphanumeric string, searching through the word
dictionary by the cut out words, extracting corresponding
group of keywords from a dictionary column for which
matches are obtained by comparison with keywords of the
dictionary or similar words, and displaying these all at
once in the plurality of corresponding fields of the
display unit.
2. The information entry apparatus as set forth in
claim 1, wherein the alphanumeric information processing
unit searches through the word dictionary by the entered
alphanumeric string and successively cuts out from the
entered alphanumeric string as predetermined words the
words of portions for which matches are obtained by
comparison with the keywords of the dictionary or
similar words.
3. The information entry apparatus as set forth in
claim 1, further comprising a conjugated alphanumeric
string information dictionary for storing conjugated
alphanumeric string information comprised of a plurality
of sets of alphanumeric string information elements,
wherein
the alphanumeric information processing
unit searches through the conjugated alphanumeric string
information dictionary by predetermined words cut out

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unit is provided with a first entry mode for designating keywords displayed all at once in corresponding fields of the display unit as provisional primary entries and for displaying the keywords of the primary entries by a first alphanumeric color.

7. The information entry apparatus as set forth in claim 6, wherein the alphanumeric information processing unit is provided with a second entry A mode where one of a plurality of keywords extracted for one display field of the display unit is displayed in the corresponding display field, the remaining keywords are displayed in a list in a display area near the display field, and a keyword displayed in a corresponding display field is replaced by a keyword selected in accordance with a predetermined manual selection operation on the list of keywords.

8. The information entry apparatus as set forth in claim 6, wherein the alphanumeric information processing unit is provided with a secondary entry B mode where the keyword of the primary entry is directly changed or replaced by alphanumeric information entered from the alphanumeric entry unit.

9. The information entry apparatus as set forth in claim 1, wherein the alphanumeric entry unit is provided with a keyboard, a digitizer and a handwritten alphanumeric recognition unit for recognizing a handwritten alphanumeric string for entry into the digitizer, and/or a microphone and a speech recognition unit for recognizing the speech entered into the microphone.

10. The information entry apparatus as set forth in claim 9, wherein

the digitizer is provided with a handwritten free entry space of a handwritten entry free format, and

the alphanumeric information processing unit cuts out predetermined word strings from the

alphanumeric string handwritten in the handwritten free entry space and recognized by the alphanumeric recognition unit in the order of the handwritten alphanumerics.

5 11. The information entry apparatus as set forth in claim 10, wherein the digitizer is provided with field-specific handwritten entry spaces enabling handwritten alphanumeric strings to be directly entered into
10 corresponding designated fields of the display screen and the sizes of the handwritten free entry space and/or field-specific handwritten entry spaces can be changed independently of each other or linked with each other in accordance with a predetermined manual operation.

15 12. The information entry apparatus as set forth in claim 9, wherein the alphanumeric information processing unit executes the primary entry mode of the sixth aspect, the secondary entry A mode of the seventh aspect, and the secondary entry B mode of the eighth aspect in a
20 predetermined sequence and executes the secondary entry A mode after the end of the primary entry mode when a display field is selected for which a plurality of keywords have been extracted and executes the secondary entry B mode in other cases.

25 13. The information entry apparatus as set forth in claim 12, wherein the alphanumeric information processing unit processes the keyed in alphanumeric string from the keyboard at the time of start of execution of the secondary entry B mode or during the execution of the same when a alphanumeric entry operation is performed on
30 the keyboard, processes the recognized alphanumeric string from the handwritten alphanumeric recognition unit in the secondary entry A mode when a handwritten alphanumeric entry operation is performed on the digitizer, and processes the recognized alphanumeric
35 string from the speech recognition unit in the secondary entry B mode when speech is entered into the microphone.

14. The information entry apparatus as set forth in

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5 the alphanumeric information processing
unit designates the information of the display field as
being confirmed in accordance with an instruction
operation of the individual confirmation instruction unit
on the selected display field.

16. The information entry apparatus as set forth in claim 6, further comprising a full confirmation instruction unit for enabling manual confirmation of all of the display fields of the primary entry state all at once, wherein

17. The information entry apparatus as set forth in claim 14, wherein the alphanumeric information processing unit has the information of the display fields in the confirmed state displayed by a second alphanumeric color different from the first alphanumeric color.

18. An information entry system provided with:
a private branch exchange connected to a public network;
a plurality of receiving consoles for receiving calls from general callers through the private branch exchange; a call routing system operation panel for connecting/disconnecting the exchange line system,

and

a plurality of command consoles for
connecting to instruction lines and/or radio lines to
issue instructions to instruction receivers of related
stations and/or radio units; and

a local area network connecting the
plurality of receiving consoles and the plurality of
command consoles to enable calls to be made or monitoring
to be started and stopped among any receiving consoles
and any command consoles by a predetermined link control
operation of the receiving console side and/or command
console side, wherein

the entered information entered to and
produced at an information entry apparatus is able to be
shared through the calls or monitoring, and

the receiving consoles each comprises a
call routing system operation panel for
connecting/disconnecting the exchange line system, and an
information entry apparatus comprising an information
entry apparatus provided with an alphanumeric entry unit
for entering alphanumeric string information, a display
unit for displaying keywords comprised of predetermined
alphanumeric strings in a plurality of corresponding
fields on a display screen, a word dictionary for storing
a plurality of keywords corresponding to the plurality of
fields and a plurality of similar words for deducing
those keywords linked with each of those keywords, and an
alphanumeric information processing unit for cutting out
predetermined word strings from the entered alphanumeric
string, searching through the word dictionary by the cut
out words, extracting corresponding group of keywords
from a dictionary column for which matches are obtained
by comparison with keywords of the dictionary or similar
words, and displaying these all at once in the plurality
of corresponding fields of the display unit.

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